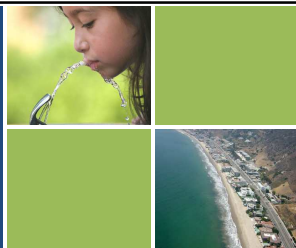


# THE CALIFORNIA CLIMATE ADAPTATION STRATEGY



## Discussion Draft Overview

September 14, 2009



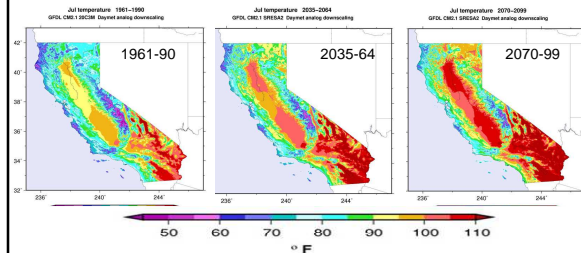
Anthony Brunello  
California Natural Resources Agency (resources.ca.gov)

## Why Adapt to Climate Change?

- Climate change impacts are already occurring
- Future climate impacts projected to be worse
- No adaptation could put \$2.5 trillion at risk
- Opportunity to reduce risks and build resilience
- Already requirement under CEQA
- Gov. Schwarzenegger said so: EO S-13-08

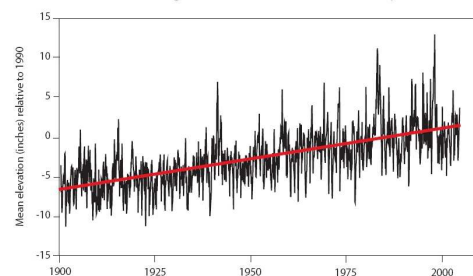
## Why Adapt to Climate Change?

July Temperatures (Cayan, Scripps Institute)



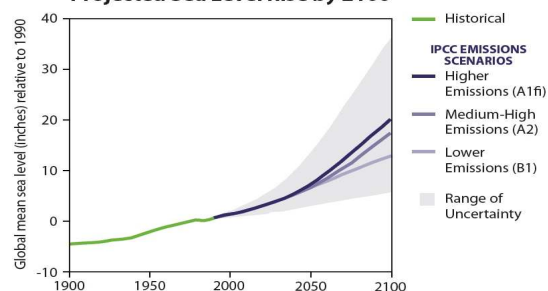
## Why Adapt to Climate Change?

Rising Sea Levels in San Francisco Bay



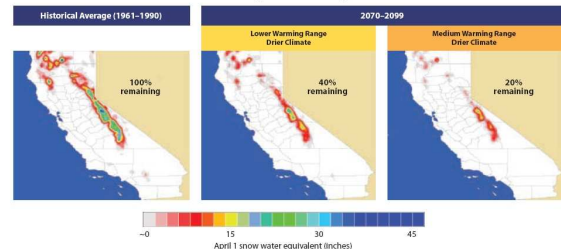
## Why Adapt to Climate Change?

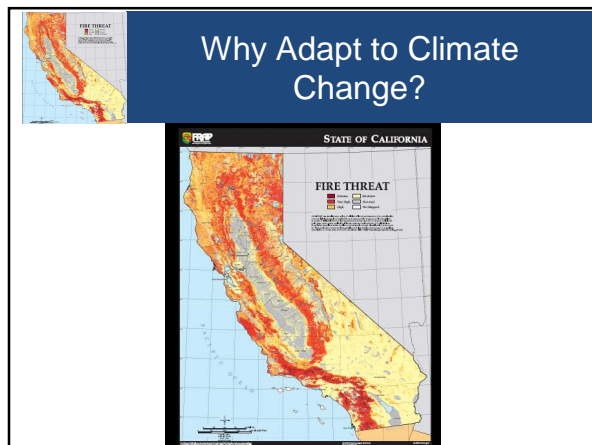
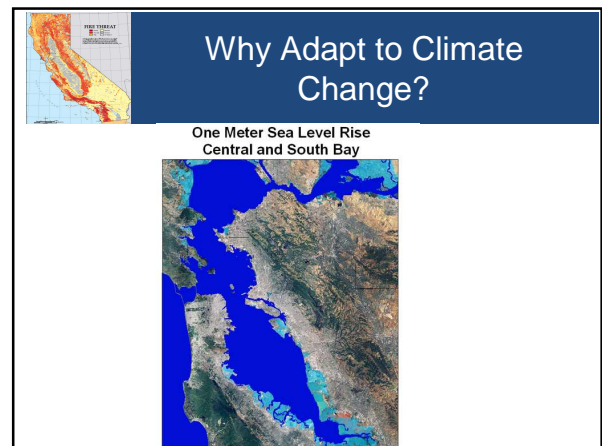
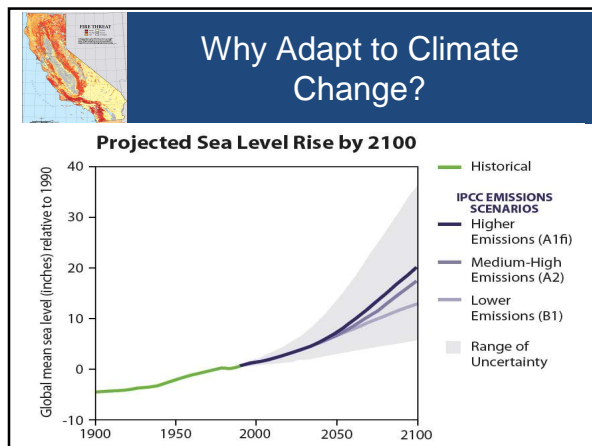
Projected Sea Level Rise by 2100



## Why Adapt to Climate Change?

Decreasing California Snowpack





**Why a California Climate Adaptation Strategy?**

CEC climate change research = foundation

- + Political push to fix California's water supply
- + Lack of coordinated climate adaptation policy
- + Push and support by key state stakeholders

**= Schwarzenegger Exec. Order S-13-08**

**How was Strategy Developed?**

- Led by CNRA under Climate Action Team
- Focused on state agency focus
- Six Agencies led 7 different Working Groups
- Coordinated with state mitigation plan
- Focused on "Science, Strategy, Action"
- Strategies = What can be done by Dec. 2010
- Beginning of conversation, not end

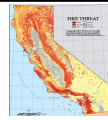
**Key Recommendations**

1. Develop Climate Adaptation Advisory Panel
2. Adapt water mgmt. and use for climate change
3. Avoid new development in "high risk" areas
4. Develop Agency adaptation plans
5. Implement CEQA = climate impacts to projects
6. Develop climate hazard mitigation plan including ID of most vulnerable communities



## Key Recommendations

7. Identify most vulnerable natural habitats
8. Provide guidance to local communities on improving public health under climate change
9. Develop guidance/tools for local planning
10. Identify wildfire risk areas and promote better fire planning
11. Increase renewable energy supply/efficiency
12. Increase research on adaptation and make research results easily accessible



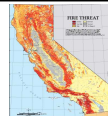
## Public Health components

- Promote community resilience
- Initiate educational programs (exposure and response)
- Identify Co-Benefits
- Augment surveillance of environmental conditions (heat, contaminants, disease)
- Increase emergency response capacity
- Establish partnerships across governmental and private organizations



## Public Health Next Steps

- Issue Health Impact Assessment guidelines
- Build capacity of local health departments and communities
- Maintain and build on existing surveillance systems



## Next Steps

- Public comment period ends September 17<sup>th</sup>
- Focus on short term implementation actions
- Build partnerships for implementation
- Go to [www.climatechange.ca.gov](http://www.climatechange.ca.gov) for more information